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Education CONNECTION

Connecting people with the environment

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Note: Publication numbers marked by "⊕" are also available on the Web and can be printed on demand. Locate these publications by visiting the DNR Web site at: dnr.wi.gov and conducting a search for the publication title.

Parks And Recreation

- PR002 ___ Wisconsin State Parks Visitors Guide
PR431 ___ Interpretive Programs in Wisconsin State Parks

Watershed Management

- WR324 ___ Water Activities to Encourage Responsibility (Grades 4-12)
WR413 ___ Down to the Shoreline
WR104 ___ Groundwater and Land Use in the Water Cycle (poster)
WT483 ___ Urban Runoff: A Source of Concern
WT459 ___ Brown Water, Green Weeds
WT513 ___ Wonderful, Wacky Water Critters
WT534 ___ Pet Waste & Water Quality
WT731 ___ Rain Gardens brochure
WT-526 ___ Rethinking Yard Care
WZ015 ___ Wetland Wonderland with Poster
WZ022 ___ A User's Guide to the Wisconsin Wetland Inventory
WZ026 ___ Wetland Functional Values
WZ208 ___ Flood Facts

Stormwater Fact Sheet Series

- WT532 ___ Cleaning Up Stormwater Runoff
WR460 ___ Storm Sewers: The Rivers Beneath Our Feet
WT533 ___ Car Care for Cleaner Water
WT531 ___ Storm Drain Stenciling

Solid Waste & Recycling

- ⊕ CE145 ___ Wee Crafts
⊕ CE163 ___ Recycling Facts & Figures
⊕ CE219 ___ Waste Reduction: Thinking more about less (Grades 6-12)
CE244 ___ Vermicomposting (activities)
⊕ CE254 ___ Recycling and Beyond: Fun Stuff
⊕ CE275 ___ Recycling and Beyond Websites
⊕ IE020 ___ Recycling Study Guide (Grades 4-12)
⊕ IE035 ___ The Fourth "R": An Action Booklet for Recycling in the Classroom and School
⊕ IE049 ___ K-3 Supplement—Recycling Study Guide
CE158 ___ Recycling Games & Quizzes
IE206 ___ Waste Reduction: Think It Through...It's Up To You
⊕ WA072 ___ Home Composting: Reap a Heap of Benefits
⊕ SW738 ___ Household Hazardous Waste Reduction
⊕ WA073 ___ Yard Care: Do Your Share
⊕ WA420 ___ Managing Used Computers

Environmental Education

General Programs

- ⊕ CE456 ___ Education Connection Order Blank
IE402 ___ Project WILD/Project Learning Tree Informational Brochure
CE230 ___ Preserving the Good Life
CE232 ___ EEK! Bookmark
CE265 ___ Learning to Grow: DNR Education Programs
PE021 ___ Make the Earth Your Career
CE5005 ___ PLT Early Childhood Program
CE5006 ___ Project WET Informational Brochure

EE News—Past Issues

- CE241 ___ Profiles in Conservation
⊕ CE269 ___ Land Use, Part II
⊕ CE6001 ___ Land Use, Part III
FR111 ___ Sustainable Forestry

Into the Outdoors — TV Show

- CE276 ___ Poster
CE277 ___ Bookmark

Air Quality

- AM061 ___ 20 Ways to Fight Ozone Pollution
AM129 ___ Acid Rain in Wisconsin
AM182 ___ EPA Ozone Action Days
AM187 ___ Vital Signs: How and Why We Monitor the Environment
⊕ AM303 ___ Warming Trends: What global climate change could mean for Wisconsin
AM318 ___ Ozone and Your Health
AM331 ___ Ozone and Your Health (Spanish version)
AM320 ___ Air Quality in Wisconsin
CE225 ___ Where's the Air? CD Kit for ages 10+
⊕ CE053 ___ The Green(er) Machine
CE268 ___ Asthma in the Air (Video) (Grades 2-6)
⊕ CE271 ___ Auto Log
IE188 ___ Where's the Air? (Poster)
CE238 ___ Where's the Air? (Poster-Spanish language)
CE454 ___ Clean Air, Healthy Children (PreK-2 activity book)
CE7001 ___ Easy Breathers Video (9-12)
CE7002 ___ Easy Breathers Program Brochure
CE7010 ___ Save Planet Polluto
CE7014 ___ Air Defenders: The Quest for Clean Air
CE7016 ___ Madison Area Transportation Options Map

Wildlife

- WM993 ___ Wildlife Factsheets: Large Mammals
WM994 ___ Wildlife Factsheets: Small Mammals
WM995 ___ Wildlife Factsheets: Waterfowl
WM996 ___ Wildlife Factsheets: Upland Game Birds
WM260 ___ Wildlife Success Stories
WM373 ___ World of the Whitetail (teaching trunk information)

Endangered Resources

- ER039 ___ Adopt An Eagle Nest
ER054 ___ Adopt A Wolf Pack
ER997 ___ Endangered Resources Factsheets: Plants
ER006 ___ All About Loons
ER071 ___ Bookmark

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Publications
DNR—CE/6
 101 S. Webster Street
 PO Box 7921
 Madison, WI 53707

Forestry

- FR053 ___ Forest Trees of Wisconsin (under revision)
- FR070 ___ Windbreaks That Work
- FR073 ___ Forest Are Fun (preK-2)
- FR101 ___ Forest Trees of Wisconsin (Poster)
- FR108 ___ The Forests Where We Live
- FR110 ___ Celebrate Spring (K-6 activity guide)
- FR117 ___ Sustainable Forestry Workbook (Grades 4–8)
- FR131 ___ Gypsy Moth Poster
- FR144 ___ Alien Invaders: Gypsy Moth (activity guide)
- FR147 ___ Questions and Answers about Wisconsin Forests
- FR181 ___ Fireworks Cause Forest Fires
- FR184 ___ New Tree Planting
- FR256 ___ Proper Tree Planting
- FR 127 ___ Protecting Your Trees from Oak Wilt
- FR 233 ___ In the Face of Change (Managing forest after unplanned disturbance)
- FR 254 ___ Conducting a Successful Timber Sale
- FR 261 ___ New Tree Planting (poster)
- FR 262 ___ Proper Tree Pruning (poster)
- FR 266 ___ Celebrating 100 Years of Forestry in Wisconsin

Fish

- FH500 ___ Wisconsin Fishing Poster
- FH701 ___ Aquatic Resources Education Program
- FH729 ___ Knot-tying Cards
- FH743 ___ Catch N Color (K-4)
- FH756 ___ A Splash of Color (PreK-1)
- FH758 ___ Tackle Loaner Program

Drinking Water & Groundwater

- ⊕ DG001 ___ Nitrate in Drinking Water
- ⊕ DG002 ___ You and Your Well
- ⊕ DG007 ___ Pesticides in Drinking Water
- ⊕ DG015 ___ Lead in Drinking Water
- ⊕ DG062 ___ Arsenic in Drinking Water
- ⊕ DG003 ___ Bacteriological Contamination of Drinking Water
- ⊕ DG035 ___ Iron in Drinking Water
- ⊕ DG009 ___ Volatile Organic Chemicals in Drinking Water
- ⊕ DG016 ___ Answers to Your Questions on Well Abandonment
- ⊕ DG049 ___ Answers To Your Questions About Groundwater
- ⊕ DG039 ___ Wellhead Protection: An ounce of prevention
- ⊕ DG023 ___ Test for Drinking Water from Private Wells
- IE004 ___ Groundwater Study Guide

Available Only on the Web

- ⊕ Wisconsin Millennium Tree (activity guide)
- ⊕ Mercury in Your Community and the Environment (activity guide)
- ⊕ Nature's Recyclers Coloring Book
- ⊕ Nature's Recyclers Activity Guide



Visit **EEK! Environmental Education for Kids!** at:
dnr.wi.gov/eeek/.

Subscriptions & Donations

Notice: Use this box to request subscriptions, publications, or to make a donation.

- ☐ Sign me up for six colorful issues of **Wisconsin Natural Resources Magazine** subscription. (\$8.97) \$ _____
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Snakes of Wisconsin / Amphibians of Wisconsin /Turtles & Lizards of Wisconsin

WI DNR Bureau of Endangered Resources

A series of three books covering all the amphibians and reptiles of the state. These full-color guides include range maps, species status, and species information. Cost: **\$3 donation for Snakes, \$4 donation for Amphibians, \$4 donation for Turtles & Lizards and \$10 donation for set of three.** Make checks out to: Bureau of Endangered Resources and note in the memo line "Herps Gift Account." Mail your order and a check to BER, P. O. Box 7921, Madison, WI 53707, or call (608) 266-7012.



DNR offers the following exciting programs for teacher training and classroom instruction.

Air Defenders: The Quest for Clean Air:

Want to be a hero? Use this multi-media, multidisciplinary training kit to deputize children (ages 8-11) and train them for their mission – to help clean the air and protect community health. As Air Defenders, they'll learn about open burning and respiratory health through science, health, and music-based lessons. Visit us at: <http://www.airdefenders.org> or contact: lindsay.haas@dnr.state.wi.us.

Angler Education: One-day leader training that focuses on Wisconsin's Angler Education programs. Volunteers learn how to use Angler Education materials and ideas to educate youth about fishing, aquatic ecology, fisheries and habitat management, and outdoor ethics. Information on access to fishing equipment. Visit us at: <http://dnr.wi.gov/org/water/fhp/fish/anglered/anglered.htm> or contact: theresa.stabo@dnr.state.wi.us.

Aquatic Exotic Educational Trunk: DNR in cooperation with several partners has developed an exotic trunk containing key educational materials on invasive species. The trunk can help teachers boost student awareness about exotic issues and in turn increase public involvement in outreach, volunteer monitoring and management efforts. Cost: under \$50. Visit us at: <http://dnr.wi.gov/org/caer/ce/invasives/education.htm>, or contact: lfelda@uwsp.edu.

Arbor Day Statewide Contests for 4th and 5th grade students – The Forestry Division and several partners sponsor an annual Arbor Day Poster Contest for 5th Graders and an annual Forest Appreciation Writing Contest for 4th Graders. The contest's change themes annually. Curriculum packets are sent to teacher's statewide and selected artwork and essays appear in an annual Arbor-Day Earth Day Calendar. Visit us at: <http://dnr.wi.gov/org/land/forestry/uf/awareness/arborposter.htm>, or contact: richard.rideout@dnr.state.wi.us for the poster contest and genny.fannucchi@dnr.state.wi.us for the writing contest.

Easy Breathers: It's all about choices! This great high school student produced video and interactive web site investigate air pollution problems and teach new teen drivers the importance of making wise, eco-friendly driving choices. A great springboard for science, driver's education or environmental lessons. Visit us at: <http://www.easybreathers.org> or contact: elizabeth.olson@dnr.state.wi.us.

Education and Training: Visit this DNR Web site and find Programs for Kids, Activities and Projects, Places to Go and Learn, Publications, Outdoor Skills and Safety Education, and Adult Education and Training topics. It's also a great place to find ideas for Service Learning Projects. <http://dnr.wi.gov/education/>

EEK! - Environmental Education for Kids: Surf around this electronic magazine for kids to learn more about nature, environmental issues, and careers in natural resources. It's a great homework helper. Visit us at: <http://dnr.wi.gov/eeek> or contact: carrie.morgan@dnr.state.wi.us.

Forest Forever ParkPacks: These mobile resource kits teach middle-school kids about sustainable forestry while sharpening their investigative skills and encouraging critical thinking processes. ParkPack lesson plans and activities are correlated with Wisconsin Academic Standards. Each teacher pack contains enough equipment including field guides, magnifiers and clipboards for 30 students. Find out more at: <http://dnr.wi.gov/org/caer/ce/eeek/teacher/parkpack.htm>, or contact: sherry.klosiewski@dnr.state.wi.us.

Great Lakes ParkPacks: These mobile resource kits are located at state parks and forests along Lake Michigan and Lake Superior. The four packs address themes of: Glacial Gifts; Mysteries; Survival; and Challenges. They include activities, books, and other materials, and the lessons are correlated to Wisconsin Academic Standards. Find out more at: <http://dnr.wi.gov/org/caer/ce/eeek/teacher/parkpack.htm>, or contact: sherry.klosiewski@dnr.state.wi.us.

Green & Healthy Schools: Schools that strive to be healthy, safe and environmental models in their communities can become official Green & Healthy Schools. In this program, students and staff conduct a comprehensive assessment, discover existing healthy, safe and environmental practices, and uncover areas for improvement. They then work together to improve their school's performance, enhance curriculum, and provide better community service. Visit us at: <http://dnr.wi.gov/org/caer/ce/greenschools/> or contact: christal.winter@dnr.state.wi.us.

Into the Outdoors: DNR's and Discover Wisconsin Productions' exciting TV show features kids discovering great, fun things to do outdoors as they learn about natural resources and environmental issues. It's also linked to *EEK!*, where kids can find out more about what they see on the show. Contact: joel.stone@dnr.state.wi.us.

Mercury In Schools: Explore and investigate mercury in the environment and the human health impacts and learn how your school can become "virtually mercury free". *Mercury: In Your Community and the Environment* is a set of teaching activities and background information that is available at: <http://dnr.wi.gov/org/caer/ce/eeek/teacher/mercury2.htm>

Milkweed Monitoring: Get out in the field! This biomonitoring kit teaches students (grades 7-12) how scientists use plants and animals to track pollution and changes in ecosystems. Students will learn to recognize common milkweed, understand how ground-level-ozone forms and how it effects common milkweed, and identify ozone injured leaves. To sign up for the next teacher-training session or find out more information, contact: lindsay.haas@dnr.state.wi.us.

LEAF (Learning Experiences & Activities in Forestry): This DNR/WCEE (UW-Stevens Point) K-12 environmental education program connects formal and non-formal Wisconsin educators with quality forestry education material through teacher training, a K-12 Forestry Education Activity Guide, and the distribution of existing materials. Visit us at: <http://www.uwsp.edu/cnr/leaf/index.htm> or contact: leaf@uwsp.edu

Project Learning Tree (PLT)*: This national, award-winning environmental education program uses the forest as a "window" to study the natural and built environment. PLT's creative supplemental teaching activities are interdisciplinary with PreK-8th teaching activities and in-depth secondary modules and are correlated to the Wisconsin Model Academic Standards. Contact: pltwildwet@dnr.state.wi.us.

PLT's Energy & Society Kit: Help students explore the concepts that energy powers natural cycles and human endeavors and learn how our day-to-day energy choices affect not only our lives, but also the environment around us. The Kit has interactive activities with a strong connection to music, movement, art, science and social studies. It includes a CD with 15 energy songs, a video with music and dance, posters and Teachers Activity Guide. Visiting PLT's web site at: <http://www.plt.org> to learn more about the kit and how to purchase it.

PLT Early Childhood Activity Guide and CD-ROM*: This environmental education program for ages 3 – 6 addresses a child's need to observe, explore, and communicate his or her ideas in a variety of expressive avenues. The WI PLT Early Childhood activity guide, posters, and music/movement CD-ROM integrate music and movement, literature, art, assessment opportunities, and outdoor exploration as young children become nature detectives, dance with a tree, and take a simulated walk through a forest. Contact: pltwildwet@dnr.state.wi.us.

Project WET* (Water Education for Teachers): Here's an international, interdisciplinary, water science and education program for formal and non-formal K-12 students. Project WET facilitates and promotes awareness, appreciation, knowledge, and stewardship of water resources using more than 90 innovative, water-related activities that are hands-on, easy to use, and fun! Contact: pltwildwet@dnr.state.wi.us.

Project WILD*: Kids love wildlife and that's why teachers will love this exciting conservation and environmental education program for grades K-12. Project WILD is a complete, ready to use set of more than 100 teaching activities that infuses people, wildlife, water and a healthy environment into all subject areas. It encourages responsible and constructive action regarding wildlife and the environment. Contact: pltwildwet@dnr.state.wi.us.

Purple Loosestrife Biological Control Program: Teachers have found participation to be a practical undertaking at schools and the basis for more effective teaching about plants, insects, invasive species, etc. 15 classroom teaching activities in "See Cella Chow!," a free 111 page manual, center on the biological control process. Topics range from a host-plant specificity experiment to an invasive plant art project. Contact: brock.woods@dnr.state.wi.us. See and download the manual at: http://dnr.wi.gov/org/es/science/publications/SS981_2003.htm

Recreational Safety Programs: The Bureau of Law Enforcement currently has four programs that can be taught in the school systems: Boating Safety, Snowmobile Safety, ATV Safety and Hunter Safety. Many of the school systems in the state already teach these, and DNR supplies the student and instructor materials along with lesson plans. Instructors must be certified by the department, and there is a small fee required for each class. Contact: 608-266-2141 or julie.fitzgerald@dnr.state.wi.us.

Recycling Education: Teaching resources and information about waste reduction, recycling and composting are available on the Bureau of Waste Management's Web site at: <http://dnr.wi.gov/org/aw/wm/publications/>. Also, visit our *Green & Healthy Schools* and *EEK!* Web sites.

School Forest Program: Nearly 200 school districts have a school forest. DNR foresters work with school districts to register these sites and develop management plans. The state school forest education specialist can help schools best utilize these exceptional outdoor education sites. Visit us at: <http://www.uwsp.edu/cnr/leaf/schforest.htm>, or contact: jsolin@uwsp.edu.

State Park and Forest Interpretive Programs: Educators or other property staff provide on- or off-site educational programs for K-12 students. Programs may include guided hikes, hands-on activities, and property tours. Some properties provide field trip guides to assist educators in planning their own educational activities on the property. Learn more at: <http://dnr.wi.gov/org/land/parks/interp/index.html> or contact: sherry.klosiewski@dnr.state.wi.us.

Take Smokey Camping: Teachers can take Smokey Bear to school and teach their students (ages 5-12) all about the importance of fire safety, not playing with matches, and what to do in the event of a fire. Children will have the opportunity to spend the day with Smokey and his backpack, read "The True Story of Smokey Bear", and write in Smokey's diary all the things they learned during Smokey's visit. Contact your local State Park, State Forest, or DNR Ranger Station and see if the Smokey Bear back pack is available.

Teachers' Guide to Wisconsin State Parks and Forests: Teachers and students can see, touch, hear, and discover the richness of Wisconsin's natural and cultural heritage at many state parks and forests. This online guide lists over 100 field trips that are correlated to Wisconsin's Model Academic Standards. Teachers will also find the information they need to select a topic, register for a field trip, and reserve additional teaching resources. Visit us at: <http://dnr.wi.gov/org/land/parks/interp/school/index.html>, or contact: sherry.klosiewski@dnr.state.wi.us.

Water Action Volunteers (WAV): This action oriented program focuses on stream and river education oriented to outdoor experiences. The materials are self-directed. Storm drain stenciling, river clean-up programs, volunteer stream/river monitoring. Assistance & training available for stream monitoring with hands-on activities. Contact: kris.stepenuck@ces.uwex.edu.

Where's the Air? Kit: Don't hold your breath! Check out our interactive air quality educational kit for 6th to 12th grade students. Learn how ozone is formed, the difference between good ozone and bad ozone, and how social behavior affects air quality. The kit includes a poster, teacher's activity guide, a CD-ROM, and other supplemental study materials. Contact: lindsay.haas@dnr.state.wi.us.

Wild and Forever Free: 6-12 grade teachers can use this free video and instructor's guide to help their students learn about Wisconsin's wildlife management program. DNR wildlife biologists and partners tell the unique story of Wisconsin's wild animals and wild places. Listen and watch as DNR staff tells the story of how they protect and manage Wisconsin's rich natural heirlooms: its prairies, wetlands and forests. Contact: salwem@dnr.state.wi.us.

World of the White-tailed Deer Education Trunks: This set of teaching trunks is filled with activities that are targeted for students in the 6th-8th grade. Twenty-four different hands-on activities explore subjects such as biology, ecology, wildlife management, social studies, history, math, reading, and creative writing. You can borrow a trunk for use in your class. Visit us at: <http://dnr.wi.gov/org/caer/ce/ee/teacher/deerbox.htm>

For more information on these and other programs go to:
<http://dnr.wi.gov/education/>

* To participate in these programs, you must attend one of the fun and interactive workshops held throughout the state. WILD, WET and PLT workshops are 6-8 hours in length and have a fee of \$15-25 depending on the program selected. The PLT Early Childhood workshop is 2 - 3 hours in length and the cost is \$10.00. Participants receive teaching activity guide and a variety of Wisconsin based supplemental materials. Visit us at: www.dnr.wi.us/org/caer/ce/pltwild or contact: pltwildwet@dnr.state.wi.us.

This publication is available upon request in alternate formats for visually impaired persons. Please contact (608) 266-6790 to request an alternate format.

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